



DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TRENCHES TO REDUCE CHARGING EFFECTS AND TO CONTROL OUT-OF-PLANE SENSITIVITIES IN TUNING FORK GYROSCOPES AND OTHER SENSORS

the specification of which (check one):

☐ is attached hereto. ☒ was filed April 29, 1997 as Serial No. 08/841,224; amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56(a).

I hereby claim foreign priority benefits under Title 35, USC §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>		<u>Date Filed</u>	<u>Priority Claimed</u>	
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year)</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year)</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year)</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, USC §119(e) of any United States provisional application(s) listed below:

<u>(Application Number)</u>	<u>(Filing Date)</u>
<u>(Application Number)</u>	<u>(Filing Date)</u>
<u>(Application Number)</u>	<u>(Filing Date)</u>
<u>(Application Number)</u>	<u>(Filing Date)</u>



I hereby claim the benefit under Title 35 USC §120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 USC §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Patented/pending/abandoned)
--------------------------	---------------	------------------------------

(Application Serial No.)	(Filing Date)	(Patented/pending/abandoned)
--------------------------	---------------	------------------------------

(Application Serial No.)	(Filing Date)	(Patented/pending/abandoned)
--------------------------	---------------	------------------------------

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business connected therewith in the Patent and Trademark Office, and to file with the USRO any International Application based thereon.

Stanley M. Schurgin, Reg. No. 20,979
Charles L. Gagnebin III, Reg. No. 25,467
Paul J. Hayes, Reg. No. 28,307

Victor B. Lebovici, Reg. No. 30,864
Eugene A. Feher, Reg. No. 33,171
Beverly E. Hjorth, Reg. No. 32,033

Address all correspondence to:

WEINGARTEN, SCHURGIN, GAGNEBIN & HAYES
Ten Post Office Square
Boston, Massachusetts 02109
Telephone: (617) 542-2290
Telecopier: (617) 451-0313

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First Inventor: Marc S. Weinberg		
City of Residence Needham	State or Country Massachusetts	Country of Citizenship U.S.A.
Post Office Address 119 Broad Meadows Road	City Needham	State or Country Zip Code Massachusetts 02192
Signature: (Please sign and date in permanent ink.) X <i>Marc S. Weinberg</i>		Date signed: X JUNE 17, 1998

Attorney
Docket No.: CSDL1-490XX

Full Name of Second Joint Inventor:		
Steven T. Cho		
City of Residence	State or Country	Country of Citizenship
Santa Clara	California	U.S.A.
Post Office Address	City	State or Country Zip Code
1550 Vista Club Circle Apt #301	Santa Clara	California 95054
Signature: (Please sign and date in permanent ink.)		Date signed:
X		X

Full Name of Third Joint Inventor:		
Ralph E. Hopkins III		
City of Residence	State or Country	Country of Citizenship
Brookline	Massachusetts	U.S.A.
Post Office Address	City	State or Country Zip Code
111 South Street	Brookline	Massachusetts 02167
Signature: (Please sign and date in permanent ink.)		Date signed:
X <i>Ralph E. Hopkins III</i>		X 6/27/98

Full Name of Fourth Joint Inventor:		
Lance C. Niles		
City of Residence	State or Country	Country of Citizenship
West Medford Salem ^{LEN}	Massachusetts	U.S.A.
Post Office Address	City	State or Country Zip Code
28 Kilgore Avenue ^{LEN} Apt. #1 80 Washington Sq. East West Medford Salem ^{LEN}		Massachusetts 01970 ^{LEN} -02155-
Signature: (Please sign and date in permanent ink.)		Date signed:
X <i>Lance C. Niles</i>		X 06-24-98

Attorney
Docket No.: CSDL1-490XX

Full Name of Fifth Joint Inventor:		
Anthony S. Kourepenis		
City of Residence	State or Country	Country of Citizenship
Acton	Massachusetts	U.S.A.
Post Office Address	City	State or Country Zip Code
31 Lawsbrook Road	Acton	Massachusetts 01720
Signature: (Please sign and date in permanent ink.)		Date signed:
X <i>Anthony Kourepenis</i>		X 6/23/98

Full Name of Sixth Joint Inventor:		
Eric M. Hildebrandt		
City of Residence	State or Country	Country of Citizenship
Watertown	Massachusetts	U.S.A.
Post Office Address	City	State or Country Zip Code
73 Springfield Street	Watertown	Massachusetts 02472 02172
Signature: (Please sign and date in permanent ink.)		Date signed:
X <i>Eric M Hildebrandt</i>		X 6/23/98

Full Name of Seventh Joint Inventor:		
Paul A. Ward		
City of Residence	State or Country	Country of Citizenship
Roslindale	Massachusetts	U.S.A.
Post Office Address	City	State or Country Zip Code
153 Cornell Street (PW) 200 Durnell Avenue	Roslindale	Massachusetts 02131
Signature: (Please sign and date in permanent ink.)		Date signed:
X <i>Paul Ward</i>		X 6-23-98

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Marc S. Weinberg, et al.

ATTORNEY
DOCKET NO.: CSDL1-490XX

SERIAL NO.: 08/841,224

EXAMINER:

FILED: April 29, 1997

GROUP NO.: 2212

PATENT NO.:

ISSUED:

ENTITLED: TRENCHES TO REDUCE CHARGING EFFECTS AND TO CONTROL OUT-OF-PLANE
SENSITIVITIES IN TUNING FORK GYROSCOPES AND OTHER SENSORS

VERIFIED STATEMENT AS SMALL ENTITY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

THE UNDERSIGNED DECLARE(S) :

Exclusive rights in the above-identified invention reside in the "small entity(ies)" defined and named below, and "small entity" fees are appropriate. Qualification as a small entity is based upon the appropriately checked statements below:

[] INDEPENDENT INVENTOR(S)

The below-signing independent inventor(s) has (have) not assigned, granted, conveyed or licensed, and is (are) under no obligation under contract or law to assign, grant, convey or license any rights in the invention to any person who could not likewise be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

[] SMALL BUSINESS CONCERN

The below-identified small business concern qualifies as a small business as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, in that the number of employees, including those of its affiliates, which does not exceed 500 persons, and it has not assigned, granted, conveyed or licensed, and is under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Concerns are affiliates of each other when, either directly or indirectly, one concern controls or has the power to control the other, or a third party controls or has the power to control both. The number of employees of the business concern is the average over the fiscal year of the persons employed during each of the pay periods of the fiscal year. Employees are those persons employed on a full-time, part-time or temporary basis during the previous fiscal year of the concern.


[X] NONPROFIT ORGANIZATION (Check additional applicable box.)

The below-identified nonprofit organization qualifies as a small entity under 37 CFR 1.9(e) in that it constitutes:

1. ☐ a university or other institution of higher education located in any country; or
2. ☒ an organization of the type described in Section 501(c)(3) of the Internal Revenue Code of 1954 (26 USC 501(c)(3)) and exempt from taxation under Section 501(a) of the Internal Revenue Code (26 USC 501(a)); or
3. ☐ any nonprofit scientific or educational organization qualified under a nonprofit organization statute of a state of the United States (35 USC 201(i)); or
4. ☐ any nonprofit organization located in a foreign country which would qualify as a nonprofit organization under paragraphs (e)(2) or (3) of Rule 1.9 if it were located in the United States.

The undersigned acknowledge(s) the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 CFR 1.28(b)).

The below-signing individual(s) hereby declare(s) that (he, she, they) are authorized to execute this statement on behalf of the small entity; that all statements made herein of (his, her, their) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Small Entity: (Independent Inventor/Small Business/Nonprofit)	
THE CHARLES STARK DRAPER LABORATORY, INC.	
Address of Small Entity: (Street, City, State or Country, Zip Code)	
555 Technology Square, Cambridge, Massachusetts 02139-3563	
Name of Person Signing: (Small Business/Nonprofit)	
David C. Driscoll	
Title of Person Signing: (Small Business/Nonprofit)	
Vice President/Treasurer	
Signature: (Please sign and date in permanent ink.)	Date signed:
X 	X 6/19/98